

ZISNET DB

Rubber Resin Additives

ZISNET DB is used as a cross-linking agent for halogenated polymers, and can provide water resistance, heat resistance, chemical resistance, and durability to polymers. ZISNET DB is particularly suitable for use as a cross-linker for chlorinated butyl rubber, where it produces a well-balanced vulcanized rubber with excellent water resistance and sealing properties. When used as a cross-linking agent for vinyl chloride, it can also provide heat resistance, cigarette resistance, and chemical resistance to resins. Furthermore, it is an effective material for improving adhesion between metal and rubber.

Main applications

- ① Chlorinated butyl rubber (Cl IIR) cross-linker, Brominated butyl rubber (Br IIR) cross-linker
- ② PVC cross-linkers, automotive sealants, undercoating agents, cigarette-resistant flooring for bullet trains and other vehicles, chemical-resistant flooring for hospitals, laboratories, etc.
- ③ Epoxy resin additives for electronic materials
- ④ Zn steel plate, and Ni and Cu grain rust inhibitors

Features

- ① Due to its stable skeleton, it is extremely safe and can be used for medicine bottles, medical rubber, medical hoses, etc.
- ② Cross-linking effects can be expected even under low-temperature processing conditions.

Compounding Example

It is generally used around 1 to 5 phr for chlorinated butyl rubber (Cl IIR), brominated butyl rubber (Br IIR), and polyvinyl chloride (PVC).

Packaging

Net weight-----10kg

Outer shell-----Craft paper

Product Shape



Packing form



About medicine plugs and medical rubber applications

ZISNET DB improves the water resistance, heat resistance, chemical resistance, and durability of chlorinated butyl rubber and brominated butyl rubber. For normal n-butyl rubber, ZISNET DB is not effective. However, as a cross-linking agent for chlorinated butyl rubber, ZISNET DB has been evaluated as the best cross-linking agent in terms of performance and safety.

Material and Chemical Data

Chemical name	2-Dibutylamino-4,6-dimercapto-s-triazine
CAS No.	29529-99-5
Existing chemical substances No.	(5)-996
T S C A	○
EINECS No.	249-682-3
Product Specification	Appearance ----- White powder Loss on heating -- 0.5% or less Ash content ----- 0.3% or less Melting point ----- 137°C or higher

Chemical formula

